

Abstract

A substrate for use in a flooring system which has a subfloor and a decorative upper layer. The substrate is made in a continuous sheet which has a bottom surface, a top surface, side surfaces and end surfaces. The top surface and the oppositely facing bottom surface are essentially parallel to each other and are spaced apart by the thickness of the substrate. Voids are provided in the substrate, the voids are provided between particles of rubber or other similar material. When the substrate is positioned between the subfloor and the decorative top layer, the particles of rubber provide the strength required to prevent deformation of the substrate in the direction of the thickness and the voids contribute to the sound dampening characteristics required to provide decibel reduction across the thickness of the substrate.